

Attachment 3
Revised Technical Specification Pages

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TABLE 4.2-1 (Cont'd)

<u>Instrument Channel</u>	<u>Instrument Functional Test [2]</u>	<u>Calibration [2]</u>	<u>Instrument Check [2]</u>
RCIC Isolation			
1. Steamline high flow	Once/3 months[9]	Once/3 months[9]	None
2. Turbine area high temperature	Refueling outage	Refueling outage	None
3. Low reactor pressure	Once/3 months	Once/3 months	None
HPCI Isolation			
1. Steamline high flow	[1] [9] [10]	Once/3 months [10]	None
2. Steamline area high temperature	Refueling outage	Refueling outage	None
3. Low reactor pressure	[1] [10]	Once/3 months [10]	None
Reactor Building Ventilation System Isolation and Standby Gas Treatment System Initiation			
1. Refueling floor radiation monitors	[1]	Once/3 months	Once/day
Steam Jet Air Ejector Off-Gas Isolation			
1. Off-gas radiation monitors	[1] [4]	Refueling outage	Once/day
Control Room Ventilation System Isolation			
1. Reactor low water level	[1]	Once/3 months	Once/day
2. Drywell high pressure	[1]	Once/3 months	None
3. Main steamline high flow	[1]	Once/3 months	Once/day
4. Toxic gas analyzers (chlorine, ammonia, sulphur dioxide)	Once/month	Once/18 months	Once/day

Notes

- [1] Initially once per month until exposure hours (M as defined on Figure 4.1-1) are 2.0×10^5 ; thereafter, according to Figure 4.1-1 with an interval not less than 1 month nor more than 3 months. The compilation of instrument failure rate data may include data obtained from other boiling water reactors for which the same design instrument operates in an environment similar to that of Quad Cities Units 1 and 2.
- [2] Functional tests, calibrations, and instrument checks are not required when these instruments are not required to be operable or tripped.

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TABLE 4.2-1 (Cont'd)

- [3] This instrumentation is excepted from the functional test definition. The function test shall consist of injecting a simulated electric signal into the measurement channel.
- [4] This instrument channel is excepted from the functional test definitions and shall be calibrated using simulated electrical signals once every 3 months.
- [5] Functional tests shall be performed before each startup with a required frequency not to exceed once per week. Calibrations shall be performed during each startup or during controlled shutdowns with a required frequency not to exceed once per week.
- [6] The positioning mechanism shall be calibrated every refueling outage.
- [7] Logic system functional tests are performed as specified in the applicable section for these systems.
- [8] Functional tests shall include verification of operation of the degraded voltage 5 minute timer and 7 second inherent timer.
- [9] Verification of the time delay setting of $3 \leq t \leq 9$ seconds shall be performed during each refueling outage.
- [10] Trip units are functionally tested monthly. A calibration of the trip unit is to be performed concurrent with functional testing. Transmitters are calibrated once per operating cycle.

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TABLE 4.2-1 (Cont'd)

Instrument Channel	Instrument Functional Test [2]	Calibration [2]	Instrument Check [2]
HPCI Isolation			
1. Steamline high flow	(1) (9) (10)	(9) (10)	None
2. Steamline area high temperature	Refueling outage	Refueling outage	None
3. Low reactor pressure	(1) (10)	(10)	None
Reactor Building Ventilation System Isolation and Standby Treatment System Initiation			
1. Refueling floor radiation monitors	(1)	Once/3 months	Once/day
Steam Jet Air Ejector Off-Gas Isolation			
1. Off-gas radiation monitors	(1) (4)	Refueling outage	Once/day
Control Room Ventilation System Isolation			
1. Reactor low water level	(1)	Once/3 months	Once/day
2. Drywell high pressure	(1)	Once/3 months	None
3. Main steamline high flow	(1)	Once/3 months	Once/day
4. Toxic gas analyzers (chlorine, ammonia, sulphur dioxide)	Once/Month	Once/18 months	Once/Day

Notes

- Initially once per month until exposure hours (M as defined on Figure 4.1-1) are 2.0×10^5 ; thereafter, according to Figure 4.1-1 with an interval not less than 1 month nor more than 3 months. The compilation of instrument failure rate data may include data obtained from other boiling water reactors for which the same design instrument operates in an environment similar to that of Quad Cities Units 1 and 2.
- Functional tests, calibrations, and instrument checks are not required when these instruments are not required to be operable or tripped.
- This instrumentation is excepted from the functional test definition. The function test shall consist of injecting a simulated electric signal into the measurement channel.
- This instrument channel is excepted from the functional test definitions and shall be calibrated using simulated electrical signals once every 3 months.
- Functional tests shall be performed before each startup with a required frequency not to exceed once per week. Calibrations shall be performed during each startup or during controlled shutdowns with a required frequency not to exceed once per week.
- The positioning mechanism shall be calibrated every refueling outage.
- Logic system functional tests are performed as specified in the applicable section for these systems.
- Functional tests shall include verification of operation of the degraded voltage, 5 minute timer and 7 second inherent timer.
- Verification of the time delay setting of $3 \leq t \leq 10$ seconds shall be performed during each refueling outage.
- Trip units are functionally tested monthly. A calibration of the trip unit is to be performed concurrent with the functional testing. Transmitters are calibrated once per operating cycle.

Attachment 4

Evaluation of No Significant Hazards Consideration

As described in the Safety Evaluation for the Amendment Request, the proposed amendment returns the information which was previously approved and inadvertently omitted in subsequent amendments to Table 4.2-1.

Commonwealth Edison has reviewed the proposed amendment in accordance with the criteria delineated in 10 C.F.R. 50.92 and has concluded that the proposed amendment does not present a Significant Hazards Consideration. The basis for this determination is as follows:

1. **The proposed change does not involve a significant increase in the probability or consequences of an accident.**

The proposed amendment to Table 4.2-1, "Minimum Test and Calibration Frequency for Core and Containment Cooling Systems Instrumentation, Rod Blocks and Isolations", has been previously evaluated by Commonwealth Edison and the Commission and it was determined that this change does not involve a significant increase in the probability or consequence of an accident. This proposed amendment corrects Table 4.2-1 to include that information which was previously approved, however, was inadvertently removed in a subsequent revision to the Table. As a result, this proposed amendment is an administrative change and does not involve any accident initiators.

2. **The proposed change does not create the possibility of a new or different kind of accident from any accident previously evaluated.**

The proposed amendment to Table 4.2-1 has been previously evaluated by Commonwealth Edison and the Commission, and it was determined that this change does not create the possibility of a new or different kind of accident from any accident previously evaluated. This proposed amendment corrects Table 4.2-1 to include that information which was previously approved, however, was inadvertently removed in a subsequent revision to the Table. As a result, this proposed amendment is an administrative change and does not involve any new operation of the plant.

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3. The proposed change does not involve a significant reduction in the margin of safety.

The proposed amendment to Table 4.2-1 has been previously determined by Commonwealth Edison and the Commission not to involve a significant reduction in the margin of safety. The proposed amendment corrects the information on Table 4.2-1 to include information which was previously approved, however, inadvertently omitted in subsequent amendments to Table 4.2-1. The proposed amendment is administrative in nature and does not affect the margin of safety.